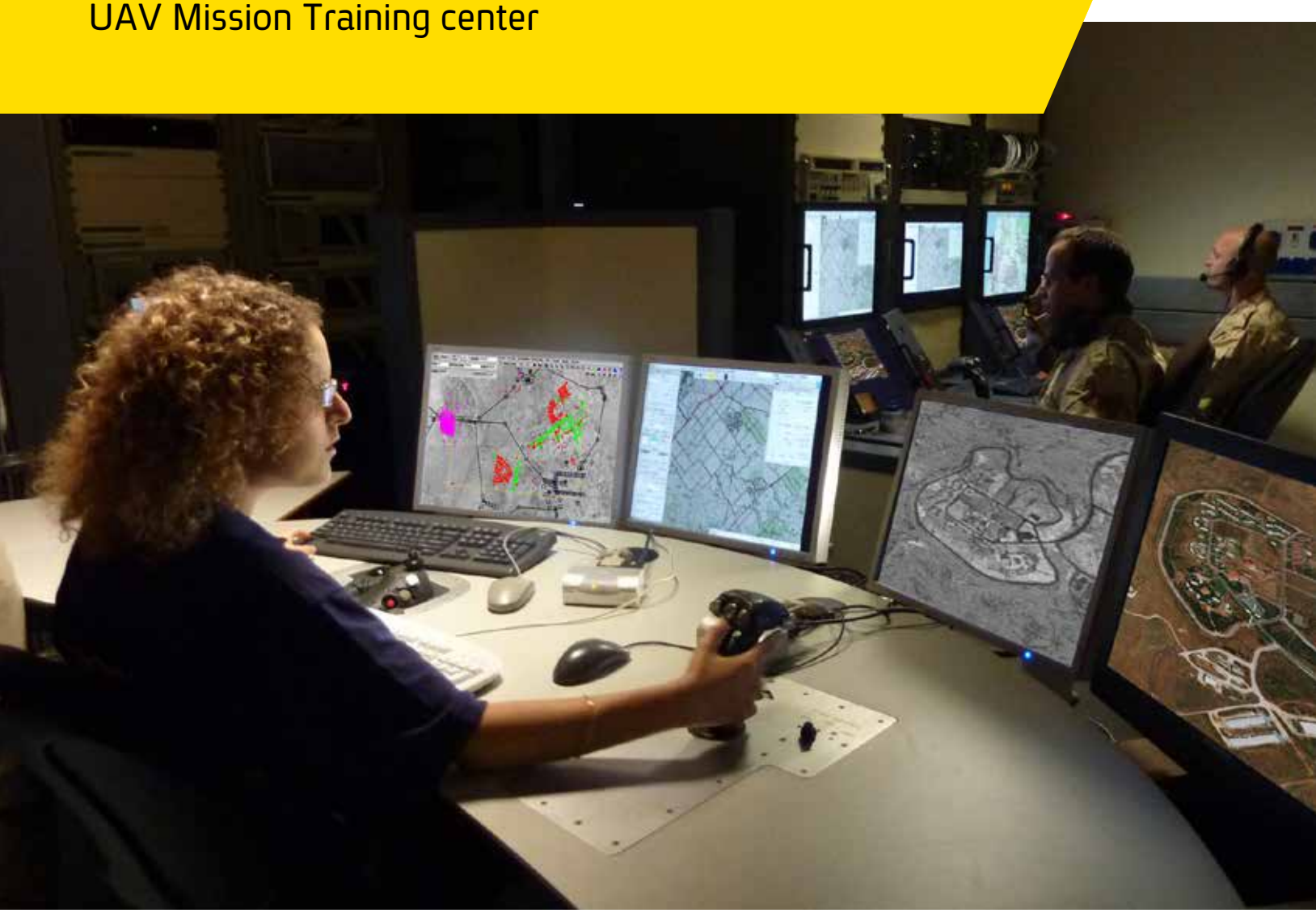
UMTC

UAV Mission Training center



Elbit Systems™ Aerospace

UAV Mission Training Center (UMTC)

The UMTC provides comprehensive training for UAV aircrews, supporting qualification and follow-on training to maintain proficiency in all aircrew tasks. The UMTC is a proven and reliable solution for UAV training needs, with tens of thousands of operational hours and thousands of users.

Realistic and Immersive Training

From UAV Flight Academy to operational UAV squadrons, the UMTC provides training that surpasses the realism of live flight exercises. Crew members, pilots, and sensor operators can perform single or multi-ship missions, exposed to scenarios that are too complex or risky to replicate with live UAVs.

Advanced Simulation Technology

Using advanced visual solutions and a Computer Generated Forces (CGF) system, the UMTC creates immersive scenarios with dynamic, reactive entities that act and react according to their physical capabilities and the doctrines imposed by their operators.

UMTC

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Key Benefits

- "Train as you Fight" - replicating actual mission environments
- Cost-effective tactical training via high-fidelity simulation of airborne platforms and ground control systems GCS
- Supports flight procedures, from basic to advanced training
- Enhances team coordination and individual skills
- Integrates operational lessons into training

Key Features

- Includes high-fidelity Mission Simulators (MISSIM)
- Full cockpit trainer for crew-oriented training
- Ground Control Station (GCS) with Form-feel-function (FFF) fidelity
- High-end platform and payload training with 6 Degrees of Freedom (6DOF)
- Auto Takeoff & Landing (ATOL) simulation
- Training for standard and emergency operations
- Real-world environmental condition simulations
- Immersive and realistic battlefield arena
- Advanced Instructor Operators Station (IOS)

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